2013 UDOT RESEARCH PROBLEM STATEMENT					
*** Problem statement deadline is March 25, 2013. Submit statements to Steve Bagley at sbagley@utah.gov ***					
Problem Title: SMA Friction Values		No. :UT-13.06.06			
Submitted By: Mike Miles Email: mmiles@utah.gov		Organization: R4 Materials Phone: 4358960713			
UDOT Champion (suggested):					
Select a Subject Area Geotechnical	☐ Materials/Pavements ☐ Preconstruction	☐ Maintenance ☑ Planning/Asset Mgmt	☐ Traffic Mgmt/Safety ☐ Transportation Innovation		
1. Describe the problem to be addressed. We have been seeing some skids tests on our SMA surface that has given us some cause for concern. New pavements with low numbers and old pavements with high numbers and visa versa. We would like to see if we have a cause for concern because the SMA may be wearing too fast.					
SMA is a surface treatment that may indicate that some of our	SMA is not performing as adverti	que. Anness and durability. As of late, we used. In order to assess the condition the new and see if we do have a prole	of our SMA, we would like to do		
3. List the research objective1. Is our SMA wearing to2. Are we placing the SM3. Are there recent placen	o fast?				

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4. List the major tasks to accomplish the				
 Do skid testing on all of our SMA placements and compare the data. Determine if we do have some places that need improvement. 				
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3. Compare placement methods to see	ii they may be a potential cause to	r any problems		
5. List the deliverable(s) to come to UDO	T from this research study:			
1. Skid data for all SMA placements				
2. A map of all SMA placements				
3. Dates of all placements				
6. Describe how the results of this study will be implemented at UDOT. Information will be used to affirm our use of SMA and make corrections or repairs where necessary, in addition to giving us a clearer picture of the condition of our pavements.				
7. Estimated cost - Total: \$30,000	UDOT Share: \$	Other/Matching Funds: \$		
8. Outline the proposed schedule for this study, including estimated start date, duration, and major event dates.				